Task	Status	Start Date	Dute Date	Assigned to
Phase 1 - Project Planning				
Define Dataset		09-26-2024	09-27-2024	Anyone
Setup Git Collaboration		09-26-2024	09-27-2024	Anyone
• Team members verify Git pull, branch, request works		09-26-2024	09-27-2024	Anyone
Complete Project Plan Template		09-26-2024	09-27-2024	Veda bommareddy
• Submit Draft Project Schedule		09-26-2024	09-26-2024	Hugo Lau
• Review project plan template		09-26-2024	09-27-2024	Rob Casey, Hugo Lau
Phase 2 - MVP (Extract, Transform, Load, Docker)				
Extract Data		09-26-2024	09-28-2024	Anyone
• Static Extraction				Anyone
• Live Extraction				Anyone
• Full Extract		09-26-2024	09-28-2024	Anyone
• Incremental Extract		09-26-2024	09-28-2024	Anyone
Transform Data		09-28-2024	09-30-2024	Anyone
• 3 Transformation Techniques		09-28-2024	09-30-2024	Anyone
• 5 Transformation Techniques		09-28-2024	09-30-2024	Anyone
• 7 Transformation Techniques		09-28-2024	09-30-2024	Anyone
Load Data		09-28-2024	10-01-2024	Anyone
• Load Data --> Full Load		09-30-2024	10-01-2024	Anyone
• Load Data --> Incremental Load		09-30-2024	10-01-2024	Anyone
• Load Data --> Upsert Load		09-30-2024	10-01-2024	Anyone
Phase 3 - (Build Docker Image and Run on AWS)				
Build and Run Docker Locally		10-01-2024	10-01-2024	Anyone
• Build a docker image using a Dockerfile (the teaching staff will be verifying that the docker image builds locally)		10-01-2024	10-01-2024	Anyone
• Docker container runs locally (the teaching staff will be verifying that the docker image runs locally)		10-01-2024	10-01-2024	Anyone
Deploy docker container to Amazon Web Services (provide screenshot evidence of services configured/running)		10-01-2024	10-03-2024	Anyone
• Relational Database Service (RDS) - screenshot of dataset in target storage		10-01-2024	10-03-2024	Anyone
• Elastic Container Registry (ECR) - screenshot of image in ECR		10-01-2024	10-03-2024	Anyone
• Elastic Container Registry - screenshot of image in ECR		10-01-2024	10-03-2024	Anyone
• S3 for `.env` file - screenshot of `.env` file in S3		10-01-2024	10-03-2024	Anyone
• IAM Role - screenshot of created role		10-01-2024	10-03-2024	Anyone
Phase 4 (Testing/Logging, Documentation/Presentation)				
Write pipeline metadata logs to a database table		10-03-2024	10-04-2024	Anyone
Implement unit tests using PyTest or similar		10-03-2024	10-05-2024	Anyone
Documentation		10-03-2024	10-07-2024	Anyone
• Code documentation using Python docstrings and comments where reasonable		10-03-2024	10-07-2024	Anyone
• Markdown documentation explaining the project context, architecture and installation/running instructions		10-03-2024	10-07-2024	Anyone
Presentation		10-07-2024	10-07-2024	Anyone
• Project context and goals				Anyone
• Datasets selected		10-07-2024	10-07-2024	Anyone
• Solution architecture diagram using draw.io or similar		10-07-2024	10-07-2024	Anyone
• ELT/ETL techniques applied		10-07-2024	10-07-2024	Anyone
• Final dataset and demo run (if possible)		10-07-2024	10-07-2024	Anyone
• Lessons learnt		10-07-2024	10-07-2024	Anyone